

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 61746 - L2 Version 001  
Chandra X-Ray Center

L2 Processing Date : Nov 6 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	8
2.5	FID Slots . . . . .	8
<b>A</b>	<b>Summary</b>	<b>9</b>
A.1	Status . . . . .	9
A.2	Comments . . . . .	9

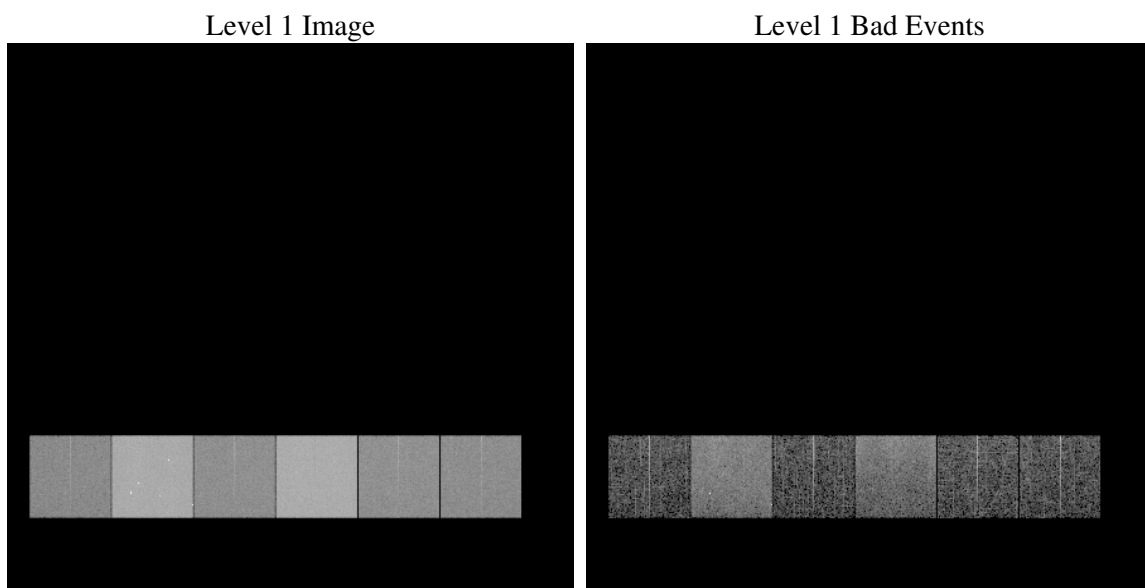
# 1 Front

seq_num	&#160
obs_id	61746
title	ACIS-456789 diagnostics
observer	CHANDRA engineering request/realtime commanding
object	&#160
dtcycle	0
cycle	P
ra_targ	0.0
dec_targ	0.0
ra_nom	69.023843953662
dec_nom	56.974434674704
roll_nom	264.34288785166
revision	3
ontime	5378.2337632477
livetime	5310.1313289539
ontime4	2176.1176605076
ontime5	5780.1131235361
ontime6	2383.5439907163
ontime7	5378.2337632477
ontime8	2433.4367753565
ontime9	2313.3133249283
l2events	1318477

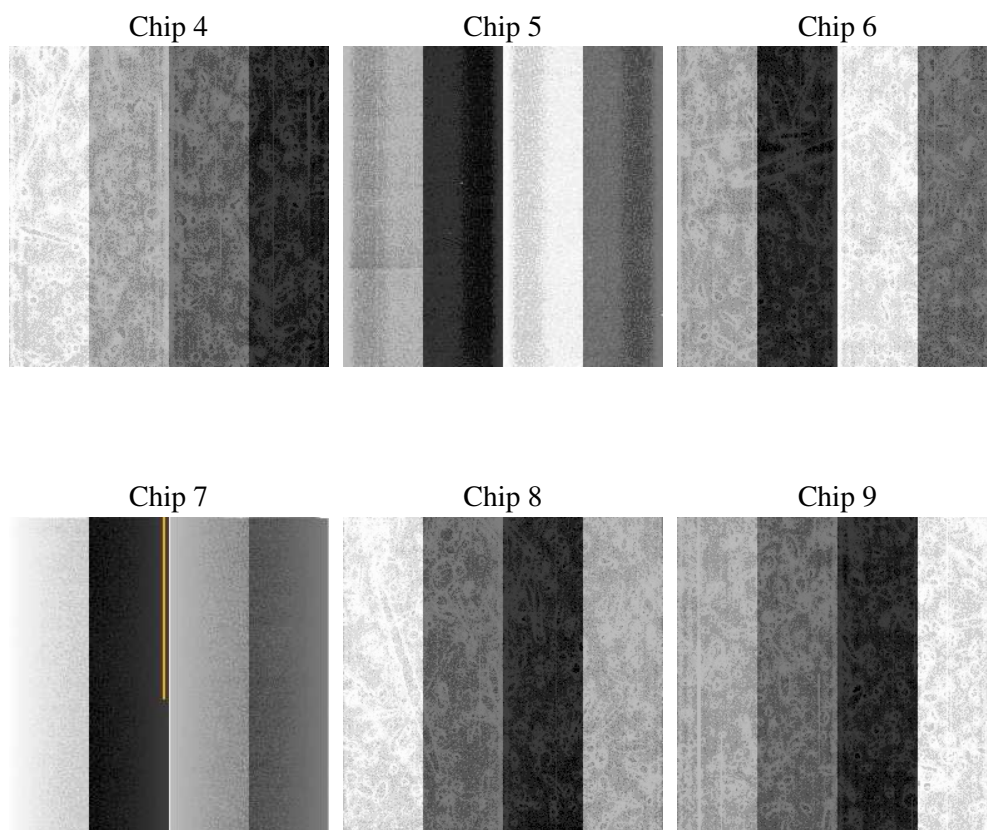
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-06T20:28:31
revision	3

sched_exp_time	0.0
ontime	5380.0931129456
ontime4	2177.9770102054
ontime5	5781.9724732339
ontime6	2385.4033404142
ontime7	5380.0931129456
ontime8	2434.0188106894
ontime9	2314.1005602628
l1events	1546185

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	165001	400492	191050	412896	196696	180050
rejected events	18734	52655	18418	39044	20560	18615
rejected %	11%	13%	9%	9%	10%	10%

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	82664	45051	94283	72575	97325	88974
	50%	11%	49%	17%	49%	49%
grade 1 events	433	299	441	164	492	472
	0%	0%	0%	0%	0%	0%
grade 2 events	26143	166914	30000	109998	31071	28329
	15%	41%	15%	26%	15%	15%
grade 3 events	8963	12058	10586	29371	11061	9950
	5%	3%	5%	7%	5%	5%
grade 4 events	8844	12222	10799	28988	10882	9903
	5%	3%	5%	7%	5%	5%
grade 5 events	1195	6297	1473	5975	1561	1472
	0%	1%	0%	1%	0%	0%
grade 6 events	19653	111592	26964	132920	25797	24279
	11%	27%	14%	32%	13%	13%
grade 7 events	17106	46059	16504	32905	18507	16671
	10%	11%	8%	7%	9%	9%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	69.02384395366181	Alternating exposures requested	N	N
Pointing Dec	0	56.97443467470382	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	264.3428878516587			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-190.132523	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	98035951.336	98035950.567201			
Observation start date	2001-02-08T16:12:31	2001-02-08T16:12:30			
Observation end time	98057261.086	98057260.318022			
Observation end date	2001-02-08T22:07:41	2001-02-08T22:07:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



## **2.4 Star Slots**

## **2.5 FID Slots**



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.37823376

### A.2 Comments